



Senior Scientist, Process Development

Oxford Science Park
Supervisor: Director Process development, Vaccitech Ltd.

POSITION SUMMARY:

The role of the senior scientist will be to design, conduct, optimize and evaluate new processes in viral vector production. The senior scientist will also work to improve existing process design to improve efficiency and quality. They will monitor the field for new techniques and approaches and ensure that all studies, tests and procedures performed in the laboratory follow quality procedures for all aspects of work.

There will be an element of manufacturing responsibility to assist the Director to ensure that recombinant viral vector seed stocks are produced correctly using approved methodology and that quality systems are complied with.

Previous experience in a cGMP environment will be an advantage.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Work with the PD team to optimize existing processes for production, downstream processing and method validation of recombinant Modified vaccinia Ankara (MVA), simian adenovirus vectors, and other novel viral vectors.
- Develop TFF process for DSP of MVA and adenoviral vectors.
- Develop IEX process for purification of adenoviral vectors.
- Develop other methods where relevant and required.
- Qualify methodology as required.
- Assist in studies to optimize the ability to manufacture viral-vectored vaccines, such as evaluation of alternative transfection systems, host or vector gene deletions or insertions, viral culture yield, systems for viral growth, etc.
- Evaluate and perform analytic assays to determine the quality, yield, stability, etc. of specific candidates or of specific manufacturing process conditions.
- Transfer processes to the Vaccitech manufacturing team and assist with any training required.
- Support the tech transfer of processes to CMOs
- Assist with recombinant virus seed stock production as required.
- Ensure all processes and documentation comply with the required standard.



vaccitech

- Participate in the development and conduct of laboratory meetings, and give presentations inside and outside the company as required
- Attend at least one relevant scientific meeting per year to continue educational advancement
- Perform other duties as required.

QUALIFICATIONS AND REQUIREMENTS:

- PhD in the biological sciences, or a Masters degree plus experience in an industrial setting.
- At least 5 years of relevant work experience, with demonstrated experience in virus and protein production in cell culture systems, virus/protein purification methods and quality control assays.
- Proficient in conducting research using a variety of methodologies; e.g., TFF, IEX, SEC, FACS, QPCR, immunohistochemistry, ELISA, Western blot, viral growth curves, viral titration.
- Experience of sourcing new technologies and applying them to a production workflow to increase productivity/quality.
- Excellent writing and communication skills; ability to understand and communicate scientific information; proficiency in PowerPoint, Microsoft project or alternating project planning application, formatting charges, graphic displays and tables
- A self-starter with the ability to work in a fast-paced environment and adapt quickly to changing needs and priorities; proven ability to prioritize and manage multiple tasks simultaneously.

- Other Skills: We care most about your critical thinking skills, technical aptitude and ability to quickly and enthusiastically learn new technologies.

TRAVEL REQUIREMENTS:

Visit to CMO overseas may be required occasionally

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.



HAZARDOUS WORKING CONDITIONS:

As applicable to role

LANGUAGE SKILLS

English fluency

Please email CV and covering note to ali.turner@vaccitech.co.uk